### mproved French-Gulf ties reported

US, Jan. 3 (R)—Foreign Minister Jean Francois-Poncet today bunced improved French economic and industrial cooperation Gulf states, including possible compensation for any oil shoes resulting from loss of Iranian supplies. Reporting to the weeabinet meeting on talks he had with Kuwaiti and United Arab rates leaders late last month, he said his trip "confirmed the rergence of views on the situation in the Middle East and enabled aying of a new basis for further expansion of economic, industrial cultural cooperation between France and those states." During Francois-Poncet's visit to Abu Dhabi, United Arab Emirates oil ster Mana Al Oteiba pledged that the UAE would attempt with r oil-exporting Gulf states to compensate for any French oil tage resulting from the loss of supplies from Iran.

## An independent Arab political daily published by the Jordan Press Foundation جوردن تايمز يومية سياسي تستر بالأنجليزية عن المؤسسة الصحفية الأردنية « الرائ »

### Boumedienne's heir named on Jan. 25

ALGIERS, Jan. 3 (R)-Algeria's acting head of state Rabah Bitat today fixed Jan. 25 for the opening of a congress of the National Liberation Front party which is expected to name a sucessor to the late President Houari Boumedienne. Mr. Bitat announced the date when he formally installed a commission to organise the congress, the official news agency APS said. It is thought that a new president could be elected before Mr. Bitat's 45-day interim leadership officially expires on Feb. 9. President Boumedienne died on Dec. 27.

lume 4, Number 946

AMMAN, THURSDAY JANUARY 4, 1979 — SAFAR 6, 1399

**Higher Physical** 

Price : Jordan 50 fils ; Syria 50 plastres ; Lebanon 75 plastres ; Saudi Arabia I riyal; UAE 1 dirham; Great Britain 25 penca

6-hour cabinet meeting decides

# resume peace talks

ed today it was ready to respoints of view." efforts to sign a peace treaty

t it reiterated that any treaty le East peace and not a seppeace

ypt's decision, announced by : Minister Mustapha Khalil a six-hour cabinet meeting. iot appear to advance by attempts to restart the staeace talks. sident Anwar Sadat has said

il times that Egypt would the talks but only on the of a comprehensive setnt, meaning that a timetable alestinian self-rule on the, Bank and the Gaza Strip e linked to any bilateral tre-

el refuses to agree to this. Khalil told reporters he inform U.S. Secretary of Cyrus Vance of Egypt's of view within the next two

ould then be up to Mr. to decide how to establish t between Egypt and Israel,

ne contacts established by 'ance were fruitful, then ations could be resumed, halil added. said the Egyptian decision

it based on the outcome of aeli cabinet meeting last v. Details of this meeting t so far been officially con-:li officials have interpreted

tcome of the Israeli cabinet ig as a mild softening of its on because the cabinet agrdiscuss self-rule for Pal-

it rejected the idea of a timwhich Egypt insists on. Khalil said it was agreed in els when he met Mr. Vance Israeli Foreign Minister e Dayan last month that side would study the outof the talks in the Belgian il and send thier views to Mr.

RO, Jan. 3, (R)-Egypt ann- Vance "irrespective of the other's

Dr. Khalil said three-quarters of today's Egyptian cabinet meeting had been devoted to foreign policy be based on a comprehensive and the drafting of a statement on Egypt's position on the peace talks. He gave an overall impression

that no major breakthrough was in prospect immediately.

It would then be up to Mr. Vance to decide whether to contact each side, come to the Middle East for another round of talks with both sides or call another meeting similar to that in Brussels, he said. /

Dr. Khalil said Mr. Vance might also choose to meet separately with him. 7

"I'm leaving all the alternative choices up to Mr. Cyrus Vance,"

The official Middle East News Agency (MENA) reported today

that Egypian ambassadors to Arab counties are scheduled to have a thee-day conference in Cairo nextweek during which Iran and the Horisof Africa are expected to be discussed.

MENA said the conference,

which is r be held next Monday under acing Foreign Minister Butros Gali, will discuss among other thigs the situations in a number d countries surrounding the Aral area and foreign interventio attempts in the Arab World.

The amery did not elaborate, but this repeated to be a reference to developments in Iran and the Hom olAfrica.

The enference would elso discuss the Arab situation in general, Egypt's bilateral relations with each Anb country and the problems facing Egyptian communitis in Arab countries, MEN/said.

### Officials report improved security in Loanon

Arab Deterrent Force (ADF) authorities said today the security situation in the country had improved recently.

taken to complete the removal of ADF id Lebanese forces. the remaining armed manifestations," the officials said in a statement issued after a meeting chaired by President Elias Sarkis.

The session was attended by Prime Minister Selim Al Hoss as well as by the commanders of the ADF and the Lebanese internal security forces.

The statement said the meeting reviewed progress towards removal of the "armed man-ifestations" in all regions of Lebanon where regular forces were stationed.

"A tangible improvement has

WORLD NEWS

ROUNDUP

Gen. Alexander Haig resigns next June

ASTEAU, BELGIUM, Jan. 3 (R)-U.S. Gen. Alexander Haig,

ATO's supreme commander in Europe, announced today he would

ign on June 30. Gen. Haig, who has been rumoured as a possible publican presidential candidate, told a news conference he had no

ins at present to go into politics. Gen. Haig, who commands

ATO forces from Norway to Turkey, took over from Gen. Andrew

podpaster on Dec. 15, 1974. He was chief of staff of the White

Chinese media urge sweeping changes

EKING, Jan. 5 (R)-A writer in China's main newspaper has

ivocated sweeping changes which would mean less state control of

dustry. He was apparently suggesting that industry be operated

ore along Yugoslav lines with workers having almost total say in the

nning of plants. The suggestions, made in the People's Daily, organ

the communist party, proposed that the state set only a few

portant quotas and leave enterprises to get on with the job. Ent-

prises "could decide the form of pay and extra awards to their

orkers, under a unified state policy. They could raise workers' pay

thin limits. Enterprises would have certain powers to trade with

reign countries." The writer said that some people misunderstood

e country's socialist system and believed all economic activity ould be controlled by the state with enterprises given no leeway. ne newspaper also threw its support behind the free-speech cam-

tign in the country when it said the nation's modernisation plans

pended on the people's right to speak out. "Let people say what

I.S.-backed radios banned from Moscow Olympics

ouse in the last weeks of the Nixon presidency.

Beirut, Jan. 3 (R)-Lebanese and 'been morded in this respect," the

Theovernment has drawn up a plan vie-establish security and has emusted its implementation "Immediate measures will be jointh to the Syrian-dominated

In idon, residents said estiniz commandos fired at Israeli mitary aircraft which flew low tray over two refugee camps and h port of Tyre in southern Lebann.

Israii warships were also sig-htede the South Lebanon coast, Palesnian sources said.

the bal residents said.

Yelerday on what Palestinian sources believed was a rec-Omissance mission.

throuth recently. Israeli aircraft bombed and strafed guerrilla posmonth, following commando attadzin Jerusalem.

ker an announced tonight that lazeli gunboats shelled suspect Palestinian guerrilla bases near Tyn on the southern Lebanese on Sunday night.

accreance with Israeli policy to strile against bases used by the lemrists to launch attacks against [Stel", the spokesman said.

statemat said.

Clases at refugee camp schools run withe United Nations Relief and Vorks Agency were suspendel and students sent home,

The commandos and their Lebance leftist allies were reported seriay to have been placed on alen after Israeli gunboats were signed off Tyre earlier in the day.

haeli warplanes flew over the while southern part of the country

There has been a marked increae in Israeli military acitvity in itions in South Lebanon last

In Tel Aviv a military spo-

The raid was carried out "in

he spokesman did not identify the exact target and gave no furthe details about the naval attack.

### **Fitness Council** to be created AMMAN, Jan. 3 (JNA)-His

Majesty King Hussein today ordered the creation of a Hig-ber Physical Fitness Council.

"The purpose of this cou-ncil," the King said in a letter addressed to Prime Minister Mudar Badran, "is to formulate an integrated plan aimed at achieving a comprehensive renaissance in the fields of physical fitness and sports for the entire pop-

The council, to be chaired by Mr. Badran himself, would include representatives of the ministries of education and youth and culture, the armed forces, the country's two universities and other specialised organisations, the King said.

### Iraq denies report it executed soldiers

BAGHDAD, Jan. 3 (R)-Iraq today denied a Kuwaiti newspaper report that 18 communist soldiers were executed in Iraq last month for forming party cells in the armed forces.

A ministry of information spokesman said the report, published today in the newspaper A1 Siyassah, was completely baseless and aimed at distorting Iraqi attitudes and undermining Iraqi pol-

The spokesman said Majed Abdel Rida, an Iraqi communist leader whose arrestalso was reported by Al Siyassah, today published an article under his own name in the communist party newspaper Tariq Al Shaab.

Al Siyassah based its story on reports from "informed travellers', quoting them as also reporting the arrest of eight members of the Iraqi communist party central committee.

gummen killed the military gov-

ernor of Madrid outside his home

today in the sharpest provocation

of Spain's armed forces since the

death of Gen. Franco three years

Maj.-Gen. Constantino Ortin

Gil, 63, the man in charge of all

troops stationed in the capital, was

cut down by three bullets fired by

two young men standing outside

He was rushed to a nearby hos-

pital but died before surgeons had

a chance to operate. The fatal shot

hit him in the forehead, according

area were immediately placed on

general alert and a special watch was mounted on all road exits

from the capital. The alert also

went out to Madrid railway sta-

tions and the international airport.

man, was the most prominent mil-

itary man to be killed by guerrillas

since the assassination in 1973 of

Gen. Franco's Prime Minister,.

The Basque separatist organisation ETA claimed res-

ponsibility for the killing of Adm-

iral Carrero Blanco, whose car

Admiral Luis Carrero Blanco.

Maj.-Gen. Ortin Gil, a married

Security forces in the Madrid

his central Madrid residence.

to a bospital statement.

### accepts Bakh The holiday mentioned by him eared to be part of an agreement aimed at blunting the anti-Shah

said.

its own security.

TEHRAN, Jan. 3 (R)-Former opposition politician Shahpour Bakhtiar was accepted by parliament today as Iran's new prime minister and immediately indicated he wanted the Shah to retain the throne.

Dr. Bakhtiar, asked by the Shah last week to try to form a civilian government to replace the military-led regime and end the country's political and economic crisis, still has to be formally appointed by the monarch-possibly tomorrow.

After his acceptance by the Senate and the Majlis (lower house), he appeared to discount press reports that he had asked the Shah to leave the country to appease the mass protest movement against his rule.

"I did not say that the king will leave. He expressed his desire to rest and leave for a holiday," Dr. Bakhtiar told a press conference.

"I hope to be able to reconcile popular inspiration and the legality of the Shah."

A royal palace spokesman later reiterated recent palace statements that "the Shah has no intention of leaving the country except possibly for a holiday, depending on the situation."

The Shah's leading religious opponent, the exiled Ayatollah Ruhoilah Khomeiny, has said the Shah must leave Iran if law and order is to be restored.

Dr. Bakhtiar told today's press conference he hoped the Aya- crisis in at least 25 years. tollah would now return to Iran

But his statements indicated he wanted the Shah to remain, at least as a constitutional monarch.

ETA has also said it was res-

ponsible for the killing of five

other military men in the past six

months, inculding the adjutant of

shot dead in San Sebastian yes-

Although nobody claimed res-

ponsibility for today's attack, it

bore all the hallmarks of an ETA

Four young men wearing ano-

raks were involved, according to

police. Two kept watch outside

the governor's home, which is on a

busy street running alongside, Madrid's central Retiro Park.

Another was in a cafe across the

road and the fourth stood by a get-

the governor's residence opened

fire as soon as he climbed out of

the official car that had brought

him home for lunch. His adjutant

The four ran to the car and sped

away after the shots rang out.

and chauffeur were unburt.

The two men standing outside

under a Madrid street.

operation.

away car.

Military governor of

### ggerated, adding: urity in the Gulf .... Madrid assassinated

MADRID, Jan. 3 (R)-Guerrilla was blown up by a bomb placed

our country if it is necessary." The future premier said his govthe Guipuzcoa military governor

remove bodies, the doctors said. Doctors in Dezful reported 12

The military governor of the Spent cartidge cases found at the scene were of a type normally used iking petroleum workers about by ETA, which is fighting for a resuming production were concompletely independent Basque

The official radio quoted Gen. and the palace spokesman app- Boghrat Jaffarian as saying that and burn down the mansion, poltwo demands of the workers had been met. They were withdrawal of soldiers sent to the oil insrestore some political and eco-tallations to guard the personnel and the release of detained wor-

The politically-inspired strike Dr. Bakhtiar indicated he would make substantial break has stopped oil exports from Iran, buy a big plot of land in a wealthy the world's second largest expfrom previous foreign policy in orter after Saudi Arabia.

Substantial break from previous foreign policy

In loss Angeles the Shah's mot-He said he did not think his government would sell oil to Israel or a secret location today after 500 South Africa. Nor would it continue to be "the gendarme of the Gulf" although it would maintain anti-Shah demonstrators stromed and started fires in the grounds. In her 90's, the Shah's mother

Dr. Bakhtiar described the Cen-Tadj El Molouk was moved from tral Treaty Organisation alliance as "military dead."

Iran is linked in the Cento defence pact with Britain, Turkey and Pakistan. The United States participates not as a full member.

movement until Dr. Bakhtiar can

nomic order, foreign diplomats

In Washington, meanwhile, Energy Secretary James Schlesinger said the United States would honour its agreements to provide oil to Israel if supplies to the Jewish state became critical as a result of events in Iran.

Dr. Bakhtiar said he thought Israel should reach agreement with its Arab neighbours, which he noted were Islamic countries like Iran. Asked about possible interference by the Soviet Union in Iran's crisis, Dr. Bkhtiar said his policy was to oppose interference from any quarter.

Dr. Baktiar was asked about reports that the United States was planning to send naval vessls to the Gulf as a show of strength while Iran goes through its worst

He disclosed in reply that U.S. officials had sounded out his views on the Gulf, the world's most important oil route, three months ago. But he said the problem was exa-

We have the right to have sec-I told the American privately

when asked me, and I tell you all, we are going to have our own security but we will not, from now on, be the gendame of the Persian Gulf.We will defend our coast and

ernment and the Iranian people were not anti-foreign. He reg-retted that many foreigners had left Iran in recent weeks, saying he would do all he could to allow useful foreigners to return but to keep out those who were not needed. Most Iranian cities were quieter

today than of late, but reports came in of large-scale violence yesterday in Qazvin, Kermanshah and Dezful. Kermanshah doctors, reached by telephone, spoke of between 10 and 25 people killed in clashes between troops and anti-Shah protesters. Troops imposed a special daytime curfew to

people killed in similar incidents yesterday while anti-Shah symtown as "looking like it has been bombed."

southern oil province of Khuzestan said today talks with strice said. The mansion is owned by a sis-

ter of the Shah, Princess Shams. His mother arrived there last Friday night from Iran. A television news station here said the Shah was negotiating to

part of Los Angeles, but this report could not be confirmed. In London, the British post offher was under protective guard in ice said today it had suspended all air mail services to Iran because of

the increasing difficulty of getting the estate where she was staying aircraft in and out of the country.

A spokesman said surface mail was still being sent and appeared

to be reaching its destination but the estate under cover of darkness for the time being air mail was last night after some of the dem- being stored in Britain.

### Atlantic "Big Four" to discuss key issues

PARIS, Jan. 3 (R)-East-west duce an agreement, emerged at relations and the turmoil in Iran will be among the key issues when western leaders meet this week on the French West Indian holiday island of Guadeloupe.

At their new-style summit on Friday and Saturday, the Atlantic big four" will review the restless state of the world from the peaceful vantage point of a Caribbean beach.

At talks in a straw-roofed she-Iter, U.S. President Carter, French President Valery Giscard d'Estaing, West German Chancellor Helmut Schmidt and British Prime Minister James Callaghan will go over the past year and discuss what lies ahead

French officials said there would be no fixed agenda, formal decisions or joint communique on the meeting, which provides western leaders with a pause for reflection at a time when world events are moving fast.

But topics will certainly include the new diplomatic ties between the U.S. and China-and their implications for Washington's dealings with the Soviet Union.

Equally certain to figure in the talks are the U.S.-Soviet negotiations on a new strategic arms limitation (SALT) agreement and how they affect the defence of Western Europe.

The four leaders will be able to ponder the latest Soviet attitude to SALT agreement, and whether Moscow is delaying matters because of Washington's recognition of China.

Other topics will include developments in Iran, vitally affecting western economic and strategic interests, unrest in Turkey, peace negotiations between 'israel and Egypt, and the guerrilla war in Rhodesia. The latest oil price rise, energy

conservation, and the delay in setting up the new European Monetary System (EMS) are among pathisers in Qazvin described the 'the most pressing economic issues, although the main accent will be on international politics. But the Guadeloupe summit, at

which each leader will be accompanied by only one senior aide, will not be the place for detailed

"They will be discussing the entire international situation and how it affects their countries over a broad canvas in very relaxed surroundings," a French official said. Diplomats said the idea for an

informal conference of the four leaders, unencumbered by the need to follow an agenda or pro- kesman added.

the seven-nation economic summit in Bonn last July. Although French officials are studiously vague about the origin of the proposal, the initiative clearly came from President Giscard

d'Estaing, who will be the host. Each leader will take his wife along for the trip and there will be time to spare for golf, tennis or a barbecue. They will stay in luxury bungalows overlooking the sea outside Pointe-a-Pitre, Guadeloupe's main town.

### Callaghan seeks Carter's advice on Rhodesia

LONDON, Jan. 3 (R)--British Prime Minister James Callaghan will seek President Carter's advice this weekend as he considers whether to risk calling an all-party Rhodesia conference.

Prospects for a successful "Camp David-style" summit in Britain on the Rhodesian independence dispute appeared slim. Before deciding whether to take the gamble, Mr. Callaghan will talk it over with President Carter at the four-power meeting of western leaders in Guadeloupe, off-

icials said. Their discussion may take place late on Saturday or early Sunday after the "big four" sessions are over, informed sources said.

The foreign office appeared flustered today by the apparent press leak of a gloomy report by Mr. Callaghan's special envoy to Southem Africa. The envoy, former minister

Cledwyn Hughes, spent three weeks talking to all sides in the bloody dispute to assess the chances of a conference producing a peace formula. The Daily Telegraph said today that Mr. Hughes had concluded

there was little doubt that the black and white leaders involved would accept an invitation to a conference. "But if they do attend there is

little chance of a successful conclusion," the paper quoted Mr. Hughes's report as stating. A foreign office spokesman called the Daily Telegraph report "speculative" and said he could

not explain how sections of an apparently secret paper had reached the press. The Prime Minister will not be taking any decision until after the Guadeloupe summit," the spo-

## Amman as a regional business centre: Has the bubble finally burst?

## ey wish, the heavens will not fall," the people's daily declared in an.

UESSELDORF, WEST GERMANY, Jan. 3 (R)-The Soviet lympic Committee does not intend to allow U.S.-backed Radio ree Europe and Radio Liberty to report next year's Olympic games 1 Moscow, Sports Minister Sergei Pavlov told the West German ports news agency S.I.D. today. He said the Munich-based stations mployed emigres working for U.S. intelligence who tried to arouse atred against the Soviet Union and its communist allies. In the ational Olympic committee of the USSR we are categorically aga-1st the presence of even one of these stations. Everything will be one to prevent their presence," he said.

Kellas and Kamei Bani-Hani Special to the Jordan Times

AMMAN Jan. 2 - "Regional business centre" has recently become one of Amman's favourite epithets. In the past three years, 162 foreign companies have chosen to set up regional headquarters in Amman. But according to officials in the Ministry of Industry and Commerce, about as many companies probably withdrew from Amman last year (1978) as registered here for the

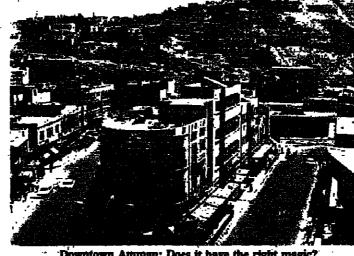
When the Registration of For-eign Companies Law (No. 46) was passed in November 1975, the

government was pleasantly surprised by the response. Twentythree "regional offices" registered in the first three months and 100 in the following year. But since 1976, the pace has slowed down a bit and there were only 24 registrations in 1977. Although the ministry is not always officially informed when a company withdraws from Amman, one estimate is that 15 businesses moved out last year. That balanced out the 15 which registered before

Christmas of 1978. Law 46 offers attractive terms for companies wanting to set up a base from which to administer their branch offices throughout

[ عملة ا صنه الأحل

(Continued on page 2)



Downtown Amman: Does it have the right magic?

### REQUIRED

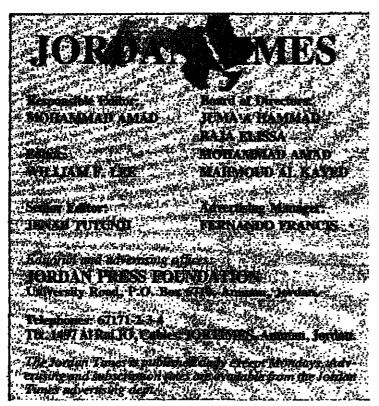
 a) Excellent specialist for offset repro-photography, mounting, graphic work and plate preparation, with practical experience of not less than 5 years.

b) Assistant to (a) above.

c) Experienced mechanic for printing machines adjustments, maintenance and reparations. Preferable good knowledge in electrical matters and 5 years experience.

d) Assistant to (c) above.

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### Verbal aggression

Mr. Moshe Dayan has decided that occupying someone else's land does not constitute aggression. At least, not in the case of Israel, of course.

This interesting redefinition comes out of the Israeli cabinet's debate on the question of restarting peace negotiations with Egypt. Foreign Minister Dayan, fresh from his meetings with Egyptian Prime Minister Mustapha Khalil and U.S. Secretary of State Cyrus Vance, is apparently busy trying to accommodate Egypt's latest conditions for further talks, conditions which are endorsed by the United

One of those demands concerns Article Six of the Camp David accords, which would give the proposed Egyptian-Israeli peace treaty priority over any of either country's other treaty commitments. Egypt, stung by the ferocity of the unified Arab rejection of the proposed bilateral treaty, sought to have this clause watered down so that any peace agreement would not supersede its mutual defence pacts with other Arab states. The United States, by way of a compromise, suggested that the peace treaty would still leave Egypt free to help its fellow Arabs in fighting a "defensive war." The Israelis, having rejected the Egyptian demand, sought a clarification of the precise meaning of the clause--which brings us to Mr. Dayan's semantic sleightof-hand.

What he wants, it seems, is for a precise definition of what would constitute "Israeli agression." For his part, he has averred, he does not think that reaction to a "terrorist attack" or the holding of another country's land should qualify as aggressive acts.

If Mr. Dayan wants a good definition of Israeli aggression, we suggest he ask the tens of thousands of Palestinians, Jordanians, Syrians, Lebanese, Egyptians and others who have been bombed and maimed and dispossessed and terrorised by it over the years. Otherwise, we expect all concerned to recognise these Israeli word games and delaying tactics for what they are: the desperate actions of a morally bankrupt government caught in the web of its own delusions.

### ARAB PRESS COMMENTARY

In its editorial Wednesday AL RA'I says that after the Egyptian-Israeli wranglings over the interpretation of articles of the peace treaty abated, the Gush Emunim movement members living inside the Israeli army barracks began to escape from gaps opened up in the barbed wire around the barracks in order to set up new settlements in the occupied West Bank.

The newspaper says the settlement "theatrical play" in the occupied Arab territories is being copied in all details from chronicles of European colonisation of newly-discovered America where the American Indians were driven from their land by force

The newspaper accuses the Israeli army of giving tacit support to the Jewish settlers, although it pretends to want to prevent

them from settling in certain areas only.

AL DUSTOUR says the reduction of Iranian oil production to a minimal level is causing Israel great concern. It may be one reason why Israel is fervently seeking the resumption of peace negotiations with Egypt so that it can ensure oil supplies from the Egyptian oil fields in Sinai. The newspaper says this position should give Egypt a new trump card for bargaining with Israel over the latter's withdrawal from all occupied Arab territories. recognition of Arab sovereignty in these territories, and the dismantling of Jewish settlements there.

### WHAT'S GOING ON

Glass Art

A group of German glass artists are exhibiting their works of glass craftsmanship at the Goethe Institute.

**Illustration Drawings Exhibit** 

Under the theme "Meeting of Eastern and Western Culture," German artist Ruth Leibnitz is exhibiting drawings, prints and sculpture at the Art Gallery of the Ministry of Culture and Youth. Open from 9:00 a.m. to 2:00 p.m. and 4:00 to 7:00 p.m.

### NOTICE-TO OUR READERS

JORDAN WEEKLY CALENDAR has resumed publication each Friday on a regular basis. We would like to draw our readers' attention to the fact that the Jordan Times must be informed of events to be included in this column well in advance; the deadline is 12:00 noon Thurs-

This is to ensure that all events for the following week are listed, as they will continue to be listed--without charge--daily under WHAT'S GOING ON.

### New archaeological sites found; diggings begin at Tabaqat Fahl

200 archaeological sites have been discovered along the Al Safi-Aqaba road dating back to the Stone Age at nearly three tho-usand B.C., Director General of the Department of Antiquities Dr. Adnan Hadidi announced here

He said the department will now record and photograph various antiquities in the region which will later be fixed on a special chart of archaeological sites in Jordan. Different means are to be adopted for the protection of these ancient places from erosion, Dr. Hadidi said.

The department of Antiquities also announced that it will start archaeological digs tomorrow at the site of Finan in the Tafila district in the southern part of Jordan. Excavation are aimed at unearthing a site dating back to the Stone Age, thought to be one of the oldest in Jordan.

Dr. Hadidi announced yesterday that the department has begun archaeological excavations at the site of Tabagat Fahl (Pella) in the northern Jordan Valley reg-

He said the excavations, to be carried out in cooperation with. Pella excavations in 1967.

AMMAN, Jan. 3 (JNA)-About Wooster College in the U.S. state of Ohio and the University of Sydney, Australia, are aimed at unearthing further details of the ancient Roman city of Pella which was given the name of Fahl in the ancient Egyptian inscriptions. The city used to assume a special importance along the trade and car-avan routes linking Jordan, Pal-

estine, Greater Syria and Egypt, Dr. Hadidi said. He added that some of the city's earliest archaeological discoveries date back to the Bronze Age and it

was in this city that early Christians found refuge when the Roman General Titus invaded Jerusalem in AD 70. Among the remarkable Roman ruins in the city are the Roman amphitheatre, ancient temples,

paved streets, churches and old graves, Dr. Al Hadidi said. The Department of Antiquities has constructed a building near the site to house the various antiquities being discovered.

The U.S. team of 15 students, to arrive in March from Wooster College, will be led by Dr. Robert Smith, who also participated in

### NOTEBOOK

### By Rami G. Khouri

### Help save the children

The national committee now working to promote programmes and activities for Jordanian children during this Intemational Year of the Child deserves the support and active assistance of all people in this country. No doubt, this year will provide an opportunity for all people - from the private and public sectors -- to assess the educational and cultural services that are being provided for Jordanian children, and to provide new and better services. But I wonder whether we are not building up with one hand and striking down with the other?

My sense of concern is promoted by one very simple institution that looms large in the life-and future-of every Jordanian child. This is the institution of television, and particularly as it is developing in this country. I fear for the future of children because I think what they are being subjected to on their television screens is far more destructive-and intelectually debilitating-than everything else we offer them in schools, at institutions such as the Haya Centres or special interest clubs.

There are two levels to my criticism. First, on the purely quantitative level, I find it distressing that plans are being made to increase the number of hours of television broadcasing. No doubt, the extra hours will be afternoon ones, when most members of the family are at home. Unfortunately, this is also the time when children should be out and engaged in stimulaing their minds and bodies, not sitting in their homes glued to an increasingly aggressive and predatory fare of light entertainment.

The second level of criticism I have is qualitative. My guess is that television in Jordan--and indeed throughout the Arab and developing states—has grown without the support of a sustained process of defining the national role of television within the socio-economic developmental aspirations of the county.

The argument that should be generated at all leves of Jordanian society is the following: Is television an appropriate institution for this country? And if so-which it presumably is or we wouldn't have it--what is the healthiest and most-productive mixture of programmes that television should offer us? in other words, do we give the viewers what they want to see (botball, Egyptian soap operas, American detective series) or dowe give the viewers what the accumulated experience of history hows is the most advantageous mixture of programmes to help develop an

informed and an intellectually vigorous citizenry? This is a co stant topic of debate in the journalism profession, and it is usua resolved by the diversity generated by a free market system. Western Europe and North America, the viewer is offered a wi range of programmes, on both commercial and public televisistations, as he or she is also offered a wide range of newspape and magazines, from the highest quality to the lowest.

But in Jordan we do not have this range of television channe to choose from. We have only what the government stations gi us, and Lam wondering whether or not what the governme stations are giving us now is in direct contradiction to the go ernment's parallel efforts to promote the welfare of the child

I realise that this may be a rather harsh accusation, but th we are dealing with nothing less important than the future of t people of this country. We will look pretty idiotic--20 years fro now-coming to the belated realisation that our corporate man agers and schoolteachers and civil servants are the products of civilisation that appears to value Kojak and The Foundation mo than what should be the natural, professional instinct of a te evision service, to report the complexities of our society, and act as a focal point for the full range of this country's human taler to explain, inform, discuss and debate the extraordinarily exciti process by which a nation grows, develops and, one hopes, u imately flourishes.

I am not against commercialisation of television or the sh wing of what I still believe are criminally inappropriate imports television series. People obviously want this kind of programmi and they should be able to get it from their local television static But when this sort of mediagenic buffoonery starts to domina and define a national television service, I think our children w have little chance of growing up without half of their brai plugged into the electronic serfdom of programmes designe above all, to sell Pepsi Cola and the latest Japanese watches.

I suggest that what we require is a more humane balance television programming, more appropriately geared to the dv amism of a growing, and not a regressing. Society. The Ir emational Year of the Child is as good a time to start thinki about this as we are likely to have.

## Amman as a regional business centre: Has the bubble finally burs

(Continued from page 1)

the Middle East. As long as the "regional office" is not itself doing business in Jordan - it can of course operate through a local "branch office" or an agent--it is eligible for customs exemption on office furniture and on commercial samples. The company is relieved of income tax on earnings made abroad and of the fees for business licences. Non-Jordanian resident employees are also exempt from income tax and can bring in a duty-free car.

"Branch offices" do not get these privileges, on the grounds that they are making their money inside Jordan. There are now 211 "branch offices" in Jordan-some of them on the West Bank, others operating in remote parts of the country. Most are local offices of foreign companies which have won important contracts in Jor-

Part of the reason for the fall-off in the number of foreign companies setting up regional offices in Amman is that the trade ministry is being tougher in deciding which ones it will accept. According to Mr. Jamal Faouri, who heads the section dealing with foreign companies, Jordan now turns down about one in three of those which apply for regional offices in Amman, and about 5 per cent of those applying for branch office registration.

Dr. Hashem Dabbas, undersecretary at the ministry told the Jordan Times. "At the time when the law was first passed there was very little scrutiny of companies applying." He said that the government would now refuse a company if its capital or its activities in the region were small. A number of companies had taken advantage of the privileges given to "regional offices" and then had done illicit business inside Jordan, he added.

Although officials protest that there is no discrimination on national grounds, the impression is that Lebanese companies are not particularly welcome. According to a survey of regional offices carried out by Dr. Kamel Abu Jaber and Dr. Fawzi Gharaibeh of the University of Jordan, one fifth of the companies registered during 1976 were Lebanese.

But in fact the overwhelming majority of the registered offices were American or West European. The U.S. topped the list with 24 per cent. Seventeen per cent were British. According to Mr. Fouari, there are Egyptian and Kuwaiti regional offices registered in Amman. There are also some East European countries which have branch offices in Jordan - but none with a regional office.

The Far Eastern contingent seems to be growing. C. Itoh, Mitsubishi and Shin Seung all apparently have regional offices in Amman. The South Koreans, moreover, have chosen Amman as the base for their government trade organisation, which supervises an increasingly important market for Korean goods throughout the Middle East.

To judge from the 1977 survey, the companies with regional offices here are mainly engaged in commerce or marketing. About one fifth are in industry and electronics and 17 per cent in engincering.

The survey showed that the most frequently mentioned reason leuntial people in Jordan were for coming to Amman was the dis- vital for their businesses. "About ruption in Lebanon. Sixty-two per one third of the respondents found

cent mentioned Jordan's political stability in Jordan, 54 per cent its convenient location. Just under half mentioned Law 46 as a reason for choosing Amman.

Mr. Douglas Moore, the Middle East Market Manager for ICI (Paints Division) of the U.K., which is one of the latest companies to register in Amman, told the Jordan Times that ICI had chosen to put its regional office in Amman because its services are less overloaded than in Cairo, because it is more stable than Beirut because unlike Athens (where many business moved during the fighting in Beirut) it is an Arab city and because the economy here is open and the people are friendly.

Reports filtering through the grapevine, however, suggest that foreign businessmen already here feel they are h more caught up with red tape in Jordan. "The petty bureaucracy has really got worse recently," one established businessman told the Jordan Times. He went on to say that his company has decided nolonger to do its regional accounts in Amman because the authorities started insisting that its itinerant accountant should have a work permit here. But whether Jordan's bureaucracy is any worse than elsewhere in the region is another question.

One manager whose views were cited in the university survey claimed that he had waited for almost a year, for a telex line. "The duty free automobile privilege is a misnomer," he added." In order to obtain an automobile 'duty free' we have to deposit an amount equal to the duty. Loss of interest on deposited money is equal in six years to the amount of the duty."

Ninety-two per cent of the people covered in the survey said that "government procedures were unduly long and timeconsuming." Dr. Dabbas at the ministry admits that things cannot always be done as promptly here as in a European city. But he points out that it takes only a week to register a company once its papers are shown to be authentic.

Officials at the ministry hint that the Customs Department is not always entirely cooperative in clearing imported equipment for regional offices. But this is at least partly because the companies themselves do not always stick to the law. One firm, for instances apparently tried to bring in a mini-bus duty free by claiming that it was a personal car. Among the problems men-

tioned by foreign managers, finding qualified personnel came high on the list. Sixty per cent said they had difficulty getting suitable accommodation for their managers--although the squeeze on high quality accommodation has apparently eased in the past year. The over loaded telephone system is another often-cited problem. Mr. Donald Pengilley, local manager of the American computer company, NCR, said that his firm had chosen Athens as a regional centre because it had to have direct dialling to Europe and the U.S. as well as about 20 telex lines. Amman can not yet provide that kind of service.

According to the 1977 survey. 69 per cent of the managers stated that personal relations with inf-

it necessary to offer gifts to fac- a commercial centre," D. Dabbas ilitate business, but only in 4 per cent of the cases were the gifts substantial.

But considering that two-thirds of the companies which moved to Jordan did not know if the move would be permanent or not, the fact that there are -- according to one informed official -- 140 or so still operating in Jordan suggests that, despite all the grumbles, Amman still suits a sizable number of firms. Some foreign businessmen.

however, think they detect a cooling in the government's enthusiasm for the whole idea of regional offices. Officials in the Ministry of Industry and Commerce defly this. "Of course we attach a big importance to making Jordan said. He explains the recent slow-down in registration of regional offices by saying that 1976, when the bulk of the empanies applied, was a peculiar ear. He does not seem to expet many a result of recent distribances. learned how to duck," heald with

The Ministry recently ithdrew the privilege earlier give to non-Jordanian employees inregional niture duty-free. But thamay be business ventures with Jorexplained by the fact that cases were uncovered of epatriates doing brisk business in kusehold .

a smile.

to believe that the emphasis at the Ministry of Industry and Commerce is now changing a bit. Asked to explain the benefit to the country of having regional offices here, officials speak about the more firms to move from eirut as employment and spending power that they bring into the country. Those who are still thre, have But considering that most regional offices are fairly small and staffed largely by expatriates probably a more serious reason is that they tend to focus the attention of foreign investors in Jordan and to offices to import houseold fur- encourage the promotion of joint

There are other ways of doing this as well. "We are attracting a furniture - firmorted or a lavish lot of foreign capital," Dr. Dabbas said, suggesting that this was bec-

At the same time, it is possible ause of Jordan's very liber tem.

Mr. Gene McGill, the nomic and commercial Off the American Embassy, p that "there will be more joi tures here in future," and s: his government was encor American firms to look ir possibility. A lot of Britis panies are known to be look-out for joint ventures

To hazard a guess, then, as though the number of r offices in Amman has more reached its ceiling, and th hout deliberately putting off, the government i ertheless directing more at now towards getting in joint ventures set up in Jo

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[ عبلة ا صنه الأحل

## Jordan's population has trebled in last

By Ian Kellas ecial to the Jordan Times

1AN -- Jordan's population hanged phenomenally in the wo decades. It has been swoby some of the biggest waves gration in recent history. At a ervative estimate, it has triin size in the past twenty s. And it is still growing at twice as fast as the rest of the d's population.

the words of Prof. Jack Calll the Australian National versity--a world authority on subject-"Jordan is very mysous." According to all the il demographic theories its fer-: rate should have started droig some time ago. Instead it ns to have altered very little in

RELAST BANK POPULATION IN

THE EAST BANK POPULATIONS

hade 1978 est materials in his

Assuming to the intestion 1976 S. a rate of hatural increase of 4,22 % p.a. the mid-1978

population is estimated as (illousands) 2.029.7 If only 95 % of all boys 6.1 were attending action in 1976, the mid-1978 population acult be (thousands).

the last three decades. And yet the last time a proper

census was carried out in the kingdom was 17 years ago. It is important to know how many people are living here in order to be able to plan services for the future. It is also important because Jordan's per capita income (over \$650) has now reached the stage where some international agencies are no longer prepared to give the country special low interest loans. If Jordan can be shown to have a bigger population than was thought, then

it might get its loans cheaper. Everyone in the business admits that he can produce little more than "guestimates" for Jordan's total population. The official figure produced by the Department of Statistics for the end of 1977 is

just over 2.1 million (East Bank). Most experts feel that if anything that is on the low side. CARE, the Mr. Fahad Hiyari, Chief of the

count, which Mr. Hiyari thinks produced a fairly reliable general

figure for the kingdom.

Dr. Alun Hill, the Regional Representative of the Population out at jul over the 2 million mark.

Dr. awad Anani, Undersecretar at the Ministry of Labour, is dsatisfied with the official figure, ad feels, like many others, that the 961 census was an underestimtion. He reckons that there as 250,000 Jordanian workers aroad-which is a little below n estimate by the Economic lommission for Western Asia (CWA)-and that Jordan could nt afford to export so many

### Hosts **Palestine** refugees o meet Amman

AM!AN, Jan. 3 (JT)-Arab countrie hosting Palestine refugees havereportedly agreed in principt to hold a meeting here on Jan. 0. Subjects to be discussed at the seeting, which is to be attend by an Arab League representive, deal with plans by the Uned Nations Relief and Works is sid to have recently sent to comining its own stand and that of a Palestine refugees on both

American international development agency, have the highest figure with three million.

Demographic Section at the Department of Statistics, told the Jordan Times that "the 1975 household and agricultural census was used as a base for our present population projections. The 1975 survey was a rough head

Council (another non-governmental international agency) cones out with approximately the same total figure of just over? million (for the East Bank in nid 1978) using two different mehods. One is to project from the 961 census, and add in the effects of migration-particularly following the 1967-var. The other is to use the total igure for the enrolment of boys irprimary school, which is assumed:0 include nearly all the boys in hat age group; using a populatin model defined by Jor-dan's birn and death rates, he extrapolate this figure to get the total population. This also comes

workin people if it only had a populaon of 2 million. Working

Agacy (UNRWA) to reduce its serces to the refugees as of next Ma The Jordanian government U. Secretary General Kurt Witheim a detailed statement Baks of the Jordan with regard to URWA's plans to reduce its serviss, outlining the adverse effects with would result from such a

### AMMAN STOCK EXCHANGE REPORT

NAME OF COMPANY Jordan Cement Factories Arab Pharmaceutical Co. Housing Bank Jordan-Kuwait Bank Jordan-Gulf Bank Jordan Electricity Co. Jordan Glass Factories Arab Aluminium Co. *Jordan Wood Processing Co. Industrial Development Bank *Arab International Investment and Trade Co.  Total volume traded, Wednesday, Jan. 3 Total number of shares traded: 9,270	Par Value JD 10.000 JD 5.000 JD 1.000 JD 1.000 JD 1.000 JD 1.000 JD 1.000 JD 1.000 JD 1.000 JD 1.000 JD 1.000	Volume Traded 2,653 381 57 543 3,610 4,182 307 360 350 62 246	Ust Bring Ofer 13850 14600 L 00 1330 1330 1330 	Last Selling Offer 13.900 16.850 1.180 1.900 1.040 1.360 — 0.900 — — 3.750	Closing Price 13.850 16.600 1.150 1.810 1.040 1.330 0.750 0.900 0.850 1.250
Government Development Bonds	Par Value JD 5.000	Number traded 629 5 20	**************************************	Selling price 5.070 5.030 5.010	~

from assumed labour par- 'East Bank must be around 3 milticipation rates he arrives at the. lion. figure 2.8 million for the East

CARE believes that even this is too low. Country Director Ralph Montee says that in its small-scale surveys of the villages of northeast Jordan, the agency discovered that there were up to twice as ool and pre-school children. Not many people living there as there should have been according to the

official statistics. Mr. Montee thinks that the 1961 census missed a lot of people, that the average family size is not 6.6 people but nearer 8, and that the assumption of a stagnant rural population has to be dismissed. Since the rural population accounts for nearly half of the total in the country, he believes that the whole population on the

### British embassy announces appointment

AMMAN, Jan. 3 (JT)--The appointment of Mr. Alan Urwick as the new British ambassador to Jordan was officially announced by the embassy

Mr. Urwick, who is 48, is currently minister at the British embassy in Madrid. He has served in Amman before, as first secretary, head of chancery and consul in the 1960s He has also served in Baghdad and Cairo and has been head of the Near East/North Africa department of the Foreign and Commonwealth Office in Lon-

- He will succeed Mr. John Campbell Moberly, who has been ambassador in Amman since October 1975. Mr. Moberly, who is at present out of the country, will return to Amman to complete his assignment during the second half of this month. Mr. Urwick is expected to arrive in the latter half of February, embassy sources said.

Mr. Moberly is to become assistant under-secretary of state in the Foreign and Commonwealth Office with responsibility for Middle East affairs. In that position, he will succeed Mr. Michael Weir, who is becoming Britain's ambassador in Cairo.

### Search is on for the "Plaza Suite"

AMMAN, Jan. 3 (JT)--An urgent search is being launched by the Amman Players, Jordan's local English language theatrical group, and the Hava Arts Centre for a copy of U.S. playwright Neil Simon's "Plaza Suite".

Due to some confusion in the early planning stages for a local production of the play, one thought the other was in possession of a copy, tickets were made, and it turned out that in fact no one actually had a copy.

Now Kitty Ephgrave, leader of the Amman Players and Nabil Sawalha of the Haya Arts Centre are desperately phoning all their friends and acquaintunces in the hope of finding "Plaza Suite" tucked away on someone's bookshelf.

The script is needed immediately because the production date has been set for the end of January: so if you think you have it or even if you think you know someone who is likely to have a copy, call Kitty Ephgrave at 65657 or Nahil Sawalha at 65195.

This is the second of a three part series on the population of

In its child health study in 19

north Jordan villages CARE used

several sources to assess pop-

ulation: the estimates of village

mukhtar's and school teachers,

house counts, and extrapolations

from the number of primary sch-

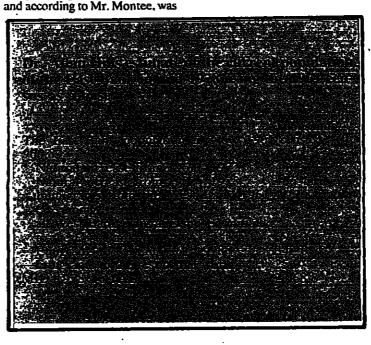
all these sources agreed, but an

acceptable figure was worked out,

found to be useful in the later provision of services.
According to Dr. Hill, however,

no matter how good the sample count, it is very dangerous to generalise from this to get a total population. One fairly reliable method used by biologists is the "recapture" technique. You catch a batch of birds for instance, mark them, and then see how many of them turn up again when you take a second sample. "But no one has yet tried this with Jordanians" Dr.

Hill said with a grin. But what is much more important than the total population figure in some ways is how fast the population is growing. Estimates



#### **Commerce delegation** visit to plans Iraq

AMMAN, Jan. 3 (JNA) -- A delegation representing the Federation of the Jordanian Chambers of Commerce is to visit Iraq soon at the invitation of the Iraqi Federation of Chaembers of Commerce for talks on further promoting trade relations between Iraq and Jordan, it was announced here today. The date of the visit is to be fixed later.

## National News Roundup...

Governors bold meetings on the International Year of the Child

AMMAN, Jan. 3 (JNA)--Governors throughout the country today continued meetings with locally formed committees to plan for the International Year of the Child launched by the United Nations at the start of 1979. Under-secretary of the Interior Ministry Ahmad Hindawi said that the committees are discussing ways to raise the level of mother hood and child care centres to increase nursery schools, to help set up exhibitions of children's art work and other means for raising the educational standard of Jordanian children.

### Parking allowed on Mahatta Street

AMMAN, Jan. 3 (JNA) .- The Traffic Department has decided to once again allow drivers to park their cars for half an hour along Mahatta Street for shopping; however only 30minute parking will be permitted. Col. Fathi Abu Al Saud, Director of the Traffic Department said owners of premises along the street will not be allowed to park their cars there.

### **TODAY'S WEATHER**

A very cold air mass is approaching the Eastern Mediterraneanfrom East Europe across Greece and Turkey expected to affect Jordan within 24 hours. Clouds will increase gradually with westerly winds freshening. Scattered rain is expected in the afternoon with temperatures decreasing. At the Aqaba Gulf weather will be hazy with southerly fresh winds and rough seas.

Temperatures:	Overnight Minimum	Daytime Maximum
Amman Aqaba	3 7	12 19
Jordan Valley Deserts	8	16 13

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for the natural increase rate-range from 3.4 per cent per year, according to the Department of Statistics, to an extremely high 4.2 per cent according to Dr. Hill.

The natural increase rate is calculated from the number of births minus the deaths and takes no account of migration. According to Mr. Hiyari, there is now a net 0.9 per cent per annum immigration into Jordan-in spite of the famous "brain drain". A survey of bedouin tribes in the north of the kingdom discovered that large numbers of bedouins from Syria had moved into Jordan and some of them were being recruited into the account of the second of into the army. There are also a lot of Egyptian and Pakistani immigrants. The total number of foreign workers in Jordan is now est-

imated at 80,000. Whatever the total size of the population may be, there is little doubt that it is now growing at a faster rate than it used to. In the '50s the natural growth rate was probably around 2.8 per cent, reaching 3.2 per cent in 1961. Now it may be as much as 4.2 per cent. One unpublished official source says that the rate will continue at 4 per cent until 1985 and only slow down a little after that until the end of the century.

One important reason for the high natural growth rate is that people are living much longer. According to Dr. Hill the average Jordanian in 1961 could expect to live until he was 49 years old. Now the average life expectancy here is around 66 years.

The mortality rate—the number of people who die every year taken as a ratio of the total population - has been halved within the last two decades. Infant mortality has fallen even more rapidly. Dr. Hiyari says the official figure for mortality is now 14 per tho-usand. Dr. Hill puts it a more che-

erful 8.5 per thousand, but reckons that it still has a long way to fall-in Sweden the rate is reportedly about 0.9 per thousand. This means that even if women have fewer babies the population growth rate will stay high for some

But women are not having fewer babies. In fact Jordanian mothers are producing about as many children as any known human society throughout history. According to the Department of Statistics, the Total Fertility Rate-which is the closest a statistician can get to answering the question: how many children are women having nowadays?--is 6.5. Dr. Hill believes that this figure -worked out from the 1976 fertility survey -- is too low. He says Jordanian women, on the average, have eight children.

That is a very remarkable figure. The demographers' favourite theory-the "transition theory" -says basically that societies produce fewer children when they become richer, more urbanised. more educated. In Jordan the opposite has been happening. Admittedly most people think that the fertility rate has reached a peak and it will simply have to come down. But this decline has been delayed a long time considering that Jordan is, relatively speaking, such a highly educated and highly urbanised society. Many other nations in Asia which are far less developed than Jordan have much lower fertility rates. The average American woman only has 1.7 children.

It is that Arabs--or Muslims -behave differently from other people when it comes to family size? And just what implications does this have for Jordan's future development? Some kind of answer will be attempted in the following article.

### Government employees get raise

A M M A N . J a n . 3 (JNA)-Government employees have been given raises in their salaries effective Jan. 1, 1979.

A statement by the prime minister's office yesterday said that the most senior civil servants with special grades will receive a monthly raise of JD 30, and other employees who do not fall within grade classifications and those employed on a contractual basis will receive monthly raises on their basic salaries according to the following

to persons employed on contract

basis if their contracts do not cle-

arly indicate their basic salaries.

This will run according to the fol-

Total or	Monthly
Consolidated	MOUNT
Salary	raise
JD 25-40	ii JD 7
41-45	8
46-50	10
51-60	13
61-70	15
71-80	18
81-90	21
91 and above	<u>2</u> 4

Daily - paid labourers received a 200 fils raise on their daily pay. The raise for employees classified into grades is as follows:

Starting

raise

JD 30

IC	basic salary			
-	-	Ministry under-	Monthly raise	Racio Calary
Λ	ID 150	Secretaries	JD 6	JD 25-40
	127	Grade 1 A	7	41-45
	112	Grade I B	9	46-50
	100	Grade 2	l I	51-60
7	87	Grade 3	13	61-70
5	75	Grade 4	15	71-80
3	63	Grade 5	18	81-90
5	55	Grade 6	20	91-and above
_	48	Grade 7	_	
42	10 32-	Grades 8	ilary was given	Also a raise in sa

On Sunday the Cabinet approved an amendment to the Civil Service Law which includes the adjustment to the salaries scale.

### AL BURJ SUPERMARKET

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owner Saleh Shuqeirat

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## An aquatic pest could become your next meal or the pages of your diary

Water weeds: Turning a pest into a resource A Report from the U.S. National Academy of Sciences

reaching alarming proportions in many parts of the world. Water is an important resource, and aquatic weeds block irrigation canals and pumps, interfere with hydroelectricity production, waste water in evapotranspirations, hinder boat traffic, increase waterborne disease, interfere with fishing, and clog rivers and canals so that floods result.

particularly severe in tropical nations. In India, large irrigation projects have been rendered useless by plants that block canals, reducing water flow by as much as four-fifths. Farmers in the wet lowlands of Bangladesh annually face disaster when rafts of water hyacinth, weighing up to 300 tons per hectare, are floated over their rice paddies by floodwaters. As the floods recede, the weeds remain on the germinating rice, killing it. Panama Canal engineers have estimated that the canal would be impassable within three years without continuous aquatic weed

Aquatic weeds spread water snails that cause schistosomiasis, an insidious, debilitating disease. They also foster malaria and encephalitis, because mosquitoes breed between the floating plants.

Yet, aquatic weeds constitute a free crop of great potential value--a highly productive crop that requires no tillage, fertilizer. seed or cultivation. Aquatic plants have potential as animal feed, human food, soil additives, fuel

and wastewater treatment.

The menace of water weeds is Both are expensive, and often almost impossible to use because of difficulties of maintenance and access to remote or swampy areas. Chemicals may also adversely affect the environment, and can interfere with fish production.

> This report explores an alternative: the conversion of aquatic weeds to food, fertilizer, paper and fiber, and energy.

A quick-growing fish that lives This is a global problem, but it is on plants, the grass carp, whose meat is highly prized, prefers succulent submerged weeds (which are difficult to control by conventional techniques). Although the grass carp is native to coolwater rivers of China, it thrives in warm tropical waters and may attain a weight of over 30 kilograms.

The feeding habit of many tropical fish are barely known. A wide-ranging search for fish that eat plants and algae could locate species with important futures as aquatic weed control agents. Among known species deserving research are Tilapia species, South American silver dollar fish, and the silver carp.

Manatees, almost extinct tropical mammals, are exceptionally proficient at clearing weeds from canals. They eat many kilograms supply in many developing couof weeds daily and will consume ntries. Many aquatic weeds conmany different species. Until their tain appreciable quantities of nitbreeding in captivity can be dev- rogen, phosphorus, potassium, eloped, they will only be useful in and other fertilizer ingredients. their native Latin American and West African countries, and then soil texture. only if they are protected and con-

Among the least exploited edible freshwater organisms, cra-

on aquatic weeds, small aquatic cattle used to high-grade diets. In Romania, puip and paper are organisms, and the stubble left after rice has been harvested.

If carefully managed, ducks. geese and swans can clear aquatic weeds from ponds and small waterways. In so doing, they provide meat and eggs. They are particularly promising for smallfarmer use in developing cou-

Many other herbivorous animals live on plants, but there has never been a systematic study of how to graze them on aquatic weeds. Animals worth testing include donkeys, pigs and sheep. If carefully managed, water buffalo will feed on aquatic plants, such as water hyacinth.

The wet, often marshy environment where aquatic weeds grow is extremely difficult to harvest; however, some ingenious devices have been developed to do

Typically, aquatic weeds contain only five to 15 per cent solid matter. In order to transport or use them in animal feeds or in other products, much of the water must first be removed. Pressing the water out mechanically and removing it by solar drying are two methods under development.

Fertilizer is in critically short They benefit crops and improve

Fresh aquatic weeds usually have too much moisture to be efficient feed-stuffs. Furthermore, many are not palatable to cattle and sheep. Pressing out some of

produced on a large scale from aquatic weeds; in other parts of

the world, aquatic weeds are used for thatch, furniture, mats, baskets, etc. Papyrus (source of the first paperlike writing materials), cattails, and bulrushes remain neglected but promising resources.

The U.S. space program is fermenting water hyacinth to methane gas. This offers a method by which aquatic weeds could be converted to valuable fuel. Compounds containing nitrogen and phosphorus are common pollutants in waterways: They also happen to be major ingredients in fertilizer. Some aquatic weeds can extract these materials from water and incorporate them into their own structure. These plants can be used to treat sewage so that nut-rients are recovered. Experiments are under way to purify municipal. sewage, industrial wastewater, and pigfarm and dairy wastewater

by growing aquatic plants in them. Only one aquatic plant is widely used as a food crop: rice. Chinese water chestnut, watercress, and other lesser known species seem worth increased exploitation.

Water hyacinth is one of the most prolific plants on earth. In one experiment, two parent plants produced 30 offspring after 23 days and 1,200 at the end of four months. Stands of 470 tons of water hyacinth per hectare, and weight gains on 4.8 per cent per day have been measured. When grown on sewage effluent, the water hyacinth's productivity can become enormous. Growth rates of the order of 800 kilograms of dry matter per hectare per day

atic weeds. In order to obtain one merged plants, though some harton of dry matter, 10 tons of most aquatic weeds must be harvested and processed; for the water hyacinth 20 tons must be harvested and processed just to get one ton water content. Choppers make the of dry matter.

Aquatic weeds are generally between 10 and 26 percent crude protein (on a dry-matter basis) - a range similar to that found in terrestrial plants. Individual aminoacids are present in amounts like those reported for land forages of similar crude-protein content. But the levels of methionine and lysine-generally considered the limiting amino acids in plant proteins - are often lower than in

terrestrial crops.
The amount or minerals varies from eight to 80 per cent of the harvest (dry weight), depending on the waterway's chemical con-

The amounts of minerals in aquatic weeds are similar to those in terrestrial plants. However, aquatic plants are often richer in iron, calcium and potassium; some concentrate such minerals to very high levels. The amounts of all minerals can be exceptionally high in plants grown in sewage or agricultural and industrial was-

tewater. Aquatic plants are harvested from a site at the water's edge or with a self-propelled, floating harvester. Shoreside harvesting requires that the plants float to the harvester. Rooted species must be uprooted or mowed and then moved to the harvester by boat or by wind and current. Plants can be lifted from the water by hand, crane, mechanical conveyor, or

ead of water hyacinth. vest floating plants or the tops of -A boom across a flowing river

processing and storage.

aquatic plants include:

used as barriers to retard the spr-

for small farms.

submerged plants. Transporting the plants is difficult and expcan divert floating plants to the shore where they can be harensive because of their enormous vested. In one system, designed by University of Wisconsin students, plants much easier to handle and many of the weeds are rooted and. reduce their bulk to less than a mechanically mowed, letting them fourth of the original volume, grefloat to the boom. atly simplifying transportation.

-A small mowing boat is par-Some techniques for harvesting -- Hand harvesting may supply enough feed or soil amendment mowed vegetation to shore usu- of sizes. ally are attached to a second small -A rope threaded through cork floats, or a chain of barrels can be

Imagine working in a suit like this!

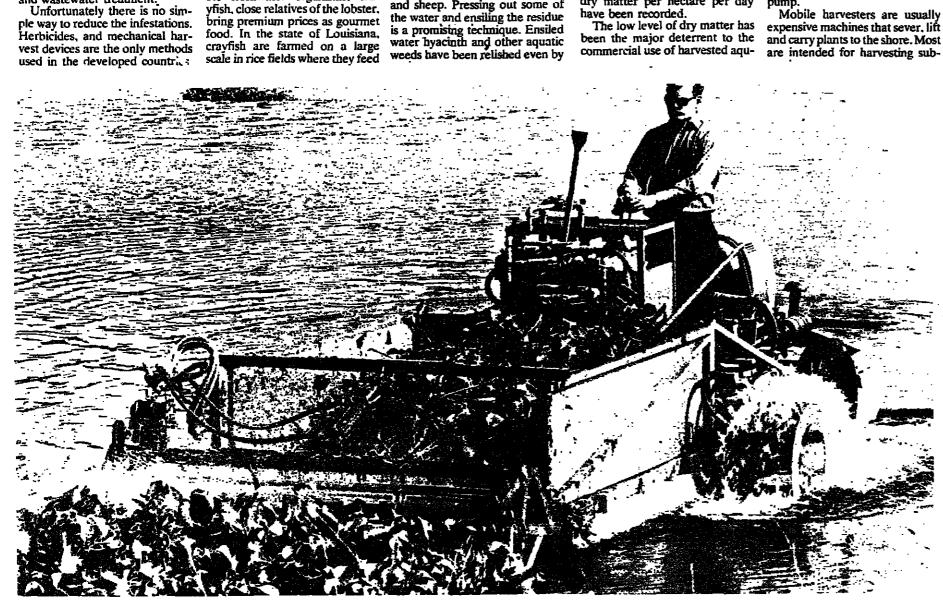
move equally well over water or weeds.

-- A "clamshell" bucket, like a pair of huge jaws suspended from a crane, can pick the plants up and move them to shore. The so-called "hyballer" moves through the

throwing it to shore. -- A tractor-powered mobile ticularly suited to cutting reeds. harvester mounted on wheels can Cutter bars for mowing sub- move water hyacinth and other merged weeds can be attached to weeds along a moving belt to small boats. Rakes for pushing the shore. These come in a wide range

weeds, picking hyacinth up and

--Finally, flotation shoes, almboat. In the United States, the ost as long as skis, permit workers so-called "Florida airboat," pow- to walk on water, greatly simered by an airplane propeller, can plifying their work.



munications, an on-board TV camer, data transmission and is used for launch and recovery. In emergencies the cable can be jettisoned along with the ballat weights and the hydraulic power pack. Emergency batteries on board will then take over to provide 72 hours life suport. Spider is propelled by six 1 horsepower thrusters — infinitely variable foot controls permitting simultaneous ceration of all of them. The operator controls articulated arms that have hydrantically-powered claws with vaible grip force. Suction feet lock onto underwater objects to form an anchor and the operator can vary the attitude 4 degrees backwards and 80 degrees nose down from the vertical position. The operator can even select "autopilot control to give any desired heading. Harvesting a pest, a machine devised by the University of Wis consin students removes unwanted waterweeds to be turned into valuable animal fodder.



make his own on-the-spot assessmen without the problems associated with the compression and decompression. The glass reinforced polyester resin (GP) of the 2.2 metre-long Spider provides a lightweight, corrosion resistant, thermally and electrically insulated avironment to a depth of 600 metres in sea water. The oxygen concentration and atmospheric pressure are continuous monitored and controlled by the operator. Carbon dioxide is removed from the Spider's atmosphere by means of an extrically powered scrubber re-circulating the air through a chemical absorber. This makes possible 'shirt sleeve' ding for seabed surveying, pipeline inspection and light construction work on the sea floor. The submersible is tethed to a mother ship via an umbilical cable that carries lines for power, commission on an board TV commission on an board TV commission.



IF THE WORLD 15 GETTING SMALLER, WHY ARE **STAGE STAMPS** GETTING COSTLIER ?

BY CHARLES H. GOREN AND OMAR SHARIF

Neither vulnerable. North

NORTH

♥876

**4**43

SOUTH

♥ A 4 3

♦ 43

**+** 52

Pass

Pass

The bidding:

◆ QJ10842

North East South West

1 🕈

3 💠

WEST

+ Q75

♥ K Q 10 5

4 A J 76

◆ A K 3

AK876

**EAST** 

▽ J92

◇ J 10 5 2

**♣** K Q 10 9 8

Pagg

Pass

GOREN BRIDGE

### Situation in Iran could cost U.K. millions, says London economic journal

LONDON, Jan. 3 (R) — A London economic journal yesterday forecast British businesses could lose millions of sterling in payments for goods exported to Iran as a result of the disorders there.

Export Direction, which claims a readership of more than 100,000 businessmen, said only a small proportion of the £568 million worth of British goods exported to Iran in the first nine months of 1978 had been paid for.

The main threat to payments for widespread burning of bank rec-

ords by anti-Shah demonstrators. which would cause long delays at the very least, Export Direction said, in a report from Tehran.

Military suppliers would not suffer as the Shah would not risk cutting off his arms supplies by defaulting on their payments, it added.

"It will be the hundreds of small fry, with one or two bigger fish, supplying the Iranian market with goods and services, who will suffer the consequences of the chaos, goods already shipped was the both now and in the future," the ioumal said.

policies for the days ahead.

greater abundance in the future.

that you are outgoing and generous.

prove on them in some way or other.

You can add to present prestige now.

FORECAST FOR THURSDAY, JAN. 4, 1979

from the CARROLL RIGHTER INSTITUTE

GENERAL TENDENCIES: An unusually good day

and evening to put in motion whatever new plan of action

that interests you. Consult trusted allies to formulate

ARIES (Mar. 21 to Apr. 19) You are now able to expand

TAURUS (Apr. 20 to May 20) First meditate, and then

GEMINI (May 21 to June 21) You are able to gain per-

MOON CHILDREN (June 22 to July 21) Take time to

LEO (July 22 to Aug. 21) Good day to visit new places

VIRGO (Aug. 22 to Sept. 22) Formulate a better plan

LIBRA (Sept. 23 to Oct. 22) Get together with your

SCORPIO (Oct. 23 to Nov. 21) Handle unpleasant tasks

SAGITTARIUS (Nov. 22 to Dec. 21) You are able to

engage in a new type of recreation, provided you make

CAPRICORN (Dec. 22 to Jan. 20) Take steps to make

your home more functional and attractive. Be sure to ex-

AQUARIUS (Jan. 21 to Feb. 19) Go to the right sources

PISCES (Feb. 20 to Mar. 20) Put those ideas across that

will help you have greater abundance in the future. Follow

for the information you need. Make plans of a practical

press yourself well so there's no misunderstanding.

early in the day since you can do them quickly and effi-

most clever allies and discuss mutual goals. Take no risks

and new persons so that you can advance in your career.

for handling important business affairs. Be more atten-

tive to loved one. Make sure your diet is right.

where laws and regulations are concerned.

ciently now. Put your talents to work.

early plans. Sidestep a troublemaker.

nature that could increase your income.

the advice of experts that can be trusted.

study your vocational and social interests, and then im-

sonal goals with relative ease at this time. Show others

confer with an adviser and know how best to gain your

most cherished aims. Be careful with finances.

where your interests are concerned so that you can enjoy

## Television crew catches another UFO on film over New Zealand

WELLINGTON, Jan. 3 (R) — Another unidentified flying object was filmed by a television crew early today over New Zealand.

The object, described by the cameraman as like "an illuminated ping pong ball with a tinge of red in the centre," was filmed in the area of recent UFO sightings off the northeast coast of the south island both in darkness and after sunrise.

The object, said by the television crew to have appeared about 3,300 metres in the sky over the sea, was not seen by an air

force plane which conducted a midnight-to-dawn patrol over the area to investigate the recent sig-

The Defence Ministry said today its aircraft had concluded that a combination of bright lights from a Japanese fishing fleet and the rising of the planet Venus was a possible explanation for the recent UFO reports.

Television authorities said it was handing over its film to the Department of Scientific and Industrial Research for computer analysis.

Reporter Terry Olsen said the crew had seen two objects but had film of only one. Sound recordist Lloyd McFadden said it was rotating on its axis and pulsating. while cameraman Cas Kasukaitis said: "It was definitely moving, because we fixed the camera on it and the object moved out of

Mr. Olsen said the second object appeared to flare up suddenly by the side of the first. "It then scudded across the sky." The first object was still visible after the sun had risen -- "about twice as bright as the brightest morning star" and eventually rose into the sky and disappeared, he said.

#### Possible dues

The reported sightings of UFOs over New Zealand last Sunday might provide clues to the disappearance of the pilot in Australia last October, the young man's father said in Melbourne yesterday,

Frederick Valentich, 20, disappeared while flying a light plane from Melbourne to King Island in Bass Strait. He had reported being buzzed by a strange unidentifiable craft which travelled at great speed and changed directions quickly during his flight. Seconds later his radio went dead, and a subsequent air and sea search of the area found no trace of him or his aircraft.

His father, Guido Valentich, said he believed his son was taken by a UFO. He said the UFOs filmed by an Australian television crew over New Zealand's Cook Strait, which separates the north and south islands, had given him new hope for his son.

At the time of the Bass Strait incident, Australian Transport Department officials said Frederick Valentich could have been disorientated and, flying upside down, could have mistaken his own reflection in the ocean for the object.

### FOREIGN EXCHANGE RATES

LONDON, (R) -- Following are the buying and selling rates for leading world currencies against the dollar at the close of inter-bank trading on the London foreign exchange market last night. Tourist

One sterling
One Canadian dollar 2.0240/50 83.98/84.01 One U.S. dollar 1.8475/90

2.0000/0040 1.6440/90 29.15/20 4.2325/75 196.50/70 4.3310/30

U.S. dollars U.S. cents West German marks Dutch guilders Swiss francs Belgian francs French francs Italian lire Japanese yen Swedish crowns

Norwegian crowns Danish crowns

rates will differ from those quoted below.

833.00/835.00 5.0610/30 5.1300/1325

### LONDON MARKET REPORT

The market was mixed Wednesday in quiet trading with equities firming largely on technical considerations, dealers said. At 15:00 the F.T. index was up 6.4 at 479.4. Equity leaders finned as much as 14p following a technical rally sparked by small institutional demand, but government bonds remained weak on tears of a rise in the U.S. discount rate and a concern about the effects of a British truck drivers' strike, dealers added.

Gold shares were dull while U.S. and Canadian issues were slightly

#### Pass Pass Pass pening lead: King of ♡. We have just received one f the most intriguing beginer's books we've seen in tany a day. ("The Fun Way > Learn Serious Bridge" by arry Lampert. Hardel Pubshing, paperback, 136 ages, \$4.95.) The instruction sound, and the book is

berally spiced with cartoons nd charts to act as memory ids. This offers a very leasant way to learn the 'orld's most fascinating

On this hand from the book o auction is given, but it ould have gone as above. outh has just enough to sue a game invitation - his ixth spade is the key-and

cards plus a ruffing value, North should accept despite the fact that his original raise was made on only three-card support.

The point of the hand is to delay drawing trumps. As the author advises, do not draw trumps "when you need dummy's trumps for entries. after setting up dummy's side suit."

If diamonds break 3-3, you would need only one entry to dummy to make your contract. But the odds favor a 4-2 diamond split, so you will need two outside entries to set up and cash the diamonds. The only entries to the table are in trumps, so you cannot afford to use dummy's trumps too soon.

Even if you draw only two rounds of trumps before starting on the diamonds, you will go down. Try it. The correct line is to take the ace of hearts, cash the ace of diamonds and then draw only one round of trumps-with the queen. Now lead a diamond to the king and ruff a diamond with a high trump. Your prudence is rewarded when West discards on this trick. Cross back to dummy with

the king of trumps and ruff another diamond with your remaining high trump. That sets up the long diamond in dummy, and you can still get to it by leading a trump to the ace, which draws West's last trump in the process. Discard a loser on the fifth diamond, and you end up having to concede only three ith all his points in prime tricks to the defenders.

## 'HE BETTER HALF. **By Barnes** HEN'S PERSUNE

"Have you any men's perfume that smells like money?"

## OUT & ABOUT

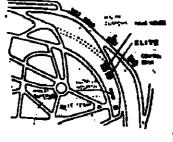
CHINESE RESTAUSANT TUICK TEAL

First and best Chinese restaurant First Circle, Jabal Amman, near the Ahliyah School or CMS. Tel.

Open daily from noon to 3:30 p.m. and 7:00 p.m. to midnight. Also take home service-order by phonë.

> **의학 발**합 STEAKHOUSE

ideh. Tel. 22103/4. sice of THREE set menus delly for lunch, and a la carte. Open 12-3 p.m. and 7-12 p.m.



Jabal Amman First Circle Tel.21083. Jabal Hussein behind Jerusulem Cinema Tel. 21781.

Jabal Loweibdeh Hawooz Circle

Tel. 30646. Zarqa Cinema Nam

Street Tel. 82011. Irbid Baghdad

Street Tel. 2408. Naour oppolite

the municipality Tel. 26. Madaba King Abdullah Street Tel. 180.

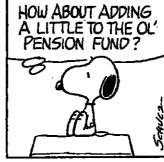
Mafraq Tel 194. KERAK Jopek Ailoun crossroad: Swe-

For advertising in above columns contact "SOUT WA SOURA" Tel. 38869 Open from 9 a.m. to 1 p.m. and 4-6 p.m.









ALL RIGHT

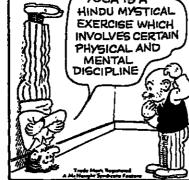
AS SOON AS

HE FINDS

HIMSELF!

NATTER-NATTER

NATTER NATTER NATTER NATTER







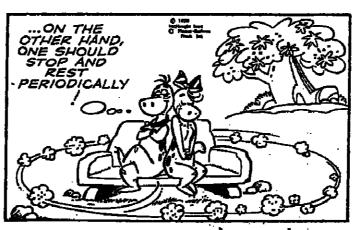
AN' ON THIS SIDE, 'IS GIRL FRIEND - SHE'S KNOWN 'IM FOR SUCH A SHORT TIME SHE CAN'T THINK OF

ATHING NOT TO TALK ABOUT









## Jordan Times Daily Guide

#### JORDAN TELEVISION

CHANNEL 3

CHANNEL 6

5:30 Ouran 5:45 Cartoons 6:30 Children's programme 6:30 Nancy Drew 7:30 Documentars 8:30 News in Arabic 8:31 Religious series 9:20 Arabic programme 10:15 Arabic film 11:00 News in Arabic

6:30 French programm 7:00 News in French 7.30 News in Hebrew 8.30 Comedy 9.10 The professionals 10:15 Movie of the week

#### RADIO JORDAN

7.00 Sign on 7.01 Morning show 7.30 News Bulletin 7.40 Morning show 10.00 Negs Headlines 10.30 Happy Journey 11.30 Sign off 12.30 Sign on and News headlines 12.30 Sign on and News headlines 12.31 Radiotheque 13:00 News Summary 13:03 Radiotheque

14.36 Spotlight on Antiques 15.00 Concert Hour 16.00 East Islening 16.39 Old faroundes 17.80 Arabian sights 17.30 Radiotheque 18.00 News summary 18.00 News Summary 19.00 News Eulerin 19.10 News Reports 19.30 Sign off

#### **BBC RADIO**

-13:30 New Ideas 11:40 Clayton's Coocise Dictionary 13:45 Country Matters

04-00 Newsdesk 04-30 Brass of Britain 04-35 Financial News; Reflection 05-00 News, 24 Hours 05-30 Sarah Ward 15-45 World Today 06-00 Newsdesk 10-30 Themes from childhood 07-90 News; 24 Hours 07-30 Sarah Ward 17-45 The Gosti and the Stars 08-00 News; Press Review 9-30 News; Press Review 9-30 Financial News 109 40 Look Ahead
109.45 Wales and the Welsh
101.00 A City and its Music
10.00 A City and its Music
10.00 Lines from my grand lather's a forehead
11.10 News; News about Britain
11.15 People and Folk
11.30 Business Matters
12.30 Radio Newsteel
12.15 Top Twenty
12.45 Sports Round-up
13.00 News; 24 hours

14.30 Big Band Sound
15.00 Radio Newscel
15.15 Outlook
15.15 Outlook
15.15 Outlook
15.15 Outlook
16.15 Themes from Chikiband
16.45 World Today
17.40 News, Book Chrace
17.15 What's New
17.45 Sports Round up
18.10 News, News about Britain
18.15 Radio Newscel
18.30 Animal, Vegetable or Mineral
19.00 Outlook; News Summars
19.30 Stack Market 19,00 Outlook, News Summary 19:39 Stack Market 19:35 Stack Market 19:45 Alphabet of Musical Curus 20:30 A Joby Good Show 21:15 Paperback Programme 21:30 Business Matters 22:30 News, World Today 22:25 Empared News 22:25 Financial News 22:35 Book Choice, Reflections

#### **VOICE OF AMERICA**

19 DD News Roundap (13:30) The Breakfast Show (6:30) News, pup music, features, listeners. features, fisteners, questions, 17:tki News Roundup, reports, opinion, analyses 17:30 Dateline 18:00 Special English, news, feature "The Making of a Nation." 19. W VIA Magazite

Americana, vecance,
culture, letters.
20.100 Special English; news
20.15 Music USA (Jazz)
21.900 VOA World Report
22.90 News, Correspondents
reports, hackground
features, media
comments, analyses.

### AMMAN AIRPORT

ARRIVALS: ABRIVALS:
4:01 Jeldah
6:30 Bangkok, Bahram
7:50 Catro (EA)
8:45 Abu Ohabe (RI/GF)
9:15 Kuwait
9:30 Baghdad
9:45 Damascus
10:00 Dhahran
16:20 Bernat 11:25 Rawalproli (BA) 11:50 Kuwari (KAC) 12-40 Rayadi (SDI) 17-10 Aquba 18:00 London, Athers 18:15 Tehran (IR) 18:40 Cairo 19:00 Beirut (MEA) 23:59 Carro 10:01 Carro (IR)

8:50 Beinut 8:45 Beinut (MEA) 8:50 Beinut, Athens, Amsterdum (KLM) 8:55 Carro (EA) 11 30 New Fork 11 30 Parts 12:00 Geneva, London 12:25 London (BA) 12:30 Atlents, Mathid 12:45 Kuwait (KAC) 13:40 Cano 13:45 Rivadh (SDI) 15:00 Aqaba 19:00 Carto (IR)

DEPARTURES:

6:05 Damasous, Munich, Frankfurt (LH) 7:00 Damasous

### **EMERGENCIES**

Muwafay Khazneh Kathi (412\*\*\*) Farhun Oagcesh (5666) lrbid: Mazhur Al Hulabs (3193) Zarga: Helizm Hr.,sar (41444)

Al Salam (36730) Jacob v (44945) Al Mahata (55453) Madi (25655) Zarga: Al Adhan

### **CULTURAL CENTRES (Amman)**

American Centre	 Tel. 31539
British Council	
French Cultural Centre	
Goethe Institute	
Sowiet Cultural Centre	
Spanish Cultural Centre	
Hava Arts Centre	
Hussem Youth Car	67181
Hussem Youth City	 ** 41793
Y.W.M.A.	 14251
Amman Municipal Library	
University of Jordan Library	 65111
Crarlel Museum	 46141
Folklore Mineum	

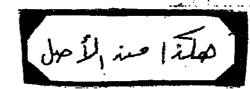
### USEFUL TELEPHONE NUMBERS (Amman)

Ambalance (government)	.Tel	75111
Civil defence rescue		*4101.4
Jordan Electric Power Co. (emergency)	. •	36381 - 2
Municipal water service (emergency)		37111-3
Police beadquarters	_ "	39141
Narich roung patrol rescue police.(English spoken) 24 hours a day for emergency		
spoken) 24 hours a day for emergency	•	21111, 37777
Airput information (ALIA)		55205
KAUCH ICKVERU		(311)
Radio, English Section		74124
Firsted, fire, police	-	ļy
Fire headquarters	"	22000

### CULTURAL CENTRES (Damascus)

Al Hamra Theatre		
Al Sha'b Art Gallery	-	238-537
American Centre	-	552-362
Arab Cultural Centre	••	333-727
Bulgarum Cultural Centre	-	557-601
British Cultural Centre	-	333.594
Deutsch Democratic Republic Cultural Centre	••	333.932
French Cultural Centre	-	330.694
Kabban Theatre		222-016
National Museum	-	114-854
Soviet Cultural Centre		225-650
Speak Cultural Court	-	334.003
Urnina Art Gallery	•	334-619
Zabariya Public Lawary		111-318

#### **USEFUL TELEPHONE NUMBERS** (Damascus)



### Says OAPEC monthly bulletin

## Mexican oil reserves could compete with **OPEC** temporarily

KUWAIT, Jan. 3 (R) — The Kuwait-based Organisation of Arab Petroleum-Exporting Countries (OAPEC) said today that, although new oil sources in Mexico would serve the interests of oil exporting nations in the long-run, they could in the short-run compete with OPEC crudes in world markets.

In its monthly bulletin, OAPEC said: "If the estimate of new Mexican oil reserves (200 billion barrels) are correct it could compete with OPEC oil in the short-run."

The bulletin said Mexico's own interests' required it should sell its oil at the OPEC price level and not below it, especially since an ultimate shortfall in supplies would develop within a decade.

But "Mexico will sooner or later find that its national oil interests are consistent with those of OPEC and not in competition with them," it added.

The bulletin said: "Speaking in terms of one world, any addition

SAN JUAN, Puerto Rico, Jan. 3

(R)--High winds and rough seas

hampered rescuers today as they

searched for 30 missing crewmen

after an American-owned oil tan-

ker exploded and sank in the Car-

A Coast Guard spokesman said

the missing men were presumed to

have drowned after they jumped

from the 3.339-ton Muster Mic-

hael which went up in flames ves-terday halfway between Ven-

A passing Italian vessel, the

Ilici, picked up four members of

the crew who swam to safety and

the body of a fifth was recovered.

how of the tanker after an exp-

ker's life boats had been burned

the Coast Guard reported.

ezuela and Haiti.

Search continues for

survivors of tanker

explosion in Caribbean

their life before ultimate depletion. This coupled with conservation, would extend the breathing space required to develop non-conventional oil substitutes.

"As regards the long-term eff-ect on world markets, it can hardly be expected that Mexico reserves its traditional oil policy since nationalisation in 1938. One of the pillars of such policy was to take a very long view of Mexico's domestic oil requirements before even considering exports or any sur-plus," OAPEC said.

ARAMCO takeover Meanwhile, the Saudi Arabian

to world oil reserves would extend. Government is expected to complete its takeover of the Arabian American Oil Company (ARA-MCO) by the end of this month, the newspaper Al Medina reported today.

The daily said an agreement would be signed which would lead to the creation of the state-run Saudi Arabian National Oil Com-

It said government ownership of ARAMCO "will not increase the kingdom's revenue, but will give Saudi Arabia full control of its natural oil resources.

Al Medina said the move will preserve "the empire of the American company without weakening it either in the fields of marketing or exploration."

Saudi Arabia acquired 60 per cent of ARAMCO in June, 1974. -TOKYO, Jan 3 (AP)—China on Jan. 1, said the Soviet Union and two years later a general accord was reached on a complete

Under approved general principles, the four U.S. companies which comprise ARAMCO would receive compensation for their remaining 40 per cent of the company, as well as an administrative fee for continuing to run pro-duction on behalf of the gov-



### An older patient than most ...

This 2.000-year-old Egyptian mummy of first century B.C. priest Anch-Hapi was recently X-rayed at the municipal hospital in Hildesheim, near Hanover, West Germany, Dr. Arne Eggebrecht (right), curator of the town's museum, ordered the layer-by-layer X-ray to learn more about the priest's age and the cause of death.

Radiologists and archaeologists are convinced Anch-Hapi was the father of Nesmin, whose munimy is on exhibit in Liverpool, England, and further discoveries are awaited. Visitors to the museum will see for themselves an annotated film of the X-ray exposures. (DaD photo)

which was castigated recently by Cuban President Fidel Castro for developing "bourgeois ideas," said today that Cuba has become a tool of Soviet "social imperialism." Cuba has never taken an independent road since Mr. Castro's forces overthrew dictator Fulgencio Batista in 1959, the Chinese said.

China's official Hsinhua News Agency, marking the 20th anniversary of the Cuban revolution

"has stepped up political, economic and military infiltration in Cuba, gradually turning it into a

The Chinese news agency said in the Horn of Africa, the Soviet Union "first provoked an armed conflict between the two neighbouring countries and then sent Cuban troops thus escalating the war in the Ogaden region.

"Cuba also played a dirty role in the Soviet-engineered murders of the leaders of two countries at the southern tip of the Arabian Peninsula. The Soviet Union's use of Cuba for hegemony also found expression in the subversive role Cuba is playing in the Non-Aligned movement." 'Hegemony" is the Chinese

code word for what it calls the Soviet Union's expansionist policies in Asia and Africa.

In an hour-long speech rec-ently, Mr. Castro had lashed out at

ations with the United States. Said Mr. Castro: "If the Chinese Government sold the revolution in exchange for Taiwan, technology and Western credit, Cuba will never change a single one of its principles...not for all the gold of the imperialist countries. Since the 1970s, Hsinhua said,

the Chinese for normalising rel-

"The Soviet Union -- cunningly using Cuba's position of a weak nation once suffering from colontalist oppression and its historical ties with Africa both in racial origin and culture--has turned Cuba into an agent for sabotage and troublemaking in the Third World and the Non-Aligned movement on the one hand, and a pawn in Soviet expansion in Africa and the Arab world on the

Cuba has paid its debt for Soviet support "with the lives and blood of thousands of Cubans," Hisnhua

### one letter to each square, to form four ordinary words. **KLULS** BIBAR

**GANNIA** 

**LEMPOC** 

Newsman

Morley

6 Goad

15 Mind

19 Glass

10 Goddess

of youth 14 Ms. Luce

16 Mr. Ludwig

17 Prepares

potatoes 18 Seed coat

20 Flying hero

necessities

21 Trireme

23 Maltreat

25 Contribu-

tion to the

**Prospects** 

of hope emerged today for 2,300

Vietnamese refugees packed abo-

ard a rusting freighter in Manila

Philippines tuckle the overall pro-

freighter--the Hong Kong-owned Tung An--a United Nations off-

icial said he hoped the offers could

free places for them ashore. Werner Blatter, U.N. High

Commissioner for Refugees, said the West German city of Munich

had offered to take 150 of the ref-

confirmed that refugees in the Phi-

lippines, including those abroad

the Tung An, were eligible for its

programme of offering boat peo-

Philippine Foreign Minister

Carlos Romulo, who also gave details of foreign offers of help, was ready to take back "with open

arms" anyone who changed their

mind. He said that 50 had done so

Unscramble these four Jumbles,

ple a new home.

in the past year.

porary Manila camp. Australia camp. said it would take 200, while U.S. In a

blem posed by refugees.

improve

MANILA, Jan. 3 (R)-A glimmer it would not send the vessel bac

It came in the form of offers ision barring any more refuge from West Germany. Australia and the United States to help the rerowding at the temporary came

Although none of the three .95 per cent of those on board th countries said it would take "boat" Tung An were of Chinese origin people direct from the About one-third were childre

ugees at present crowding a tem- fitted out as a standby trans

Mr. Blatter said he had received port of call, we will accept them.

JUMBLE THAT SCRAMBLED WORD GAME
by Henri Arnold and Bob Lee

new assurances from Manila that a Hong Kong official said.

ship in Philippines

to sea without giving time for ret

lies from governments asked for

help. But he had not persuade

the Philippines to change a de-

Mr. Blatter's inquiries over th

past four days showed that up t

and nearly half claimed ties wit

other countries, including th

U.S., Australia, Canada, and Fre

In Hong Kong, which faces possible influx of Vietnamese rel

ugees that could top 10,000 an of

British Air Force base has bee

In addition, Taiwan told Hon

Kong today that it would not acc

ept the 2,700 Vietnamese about

the Taiwan-owned freighter Huc Fong, which arrived off the colon

into the Tung An problem fo

lowing a Philippine warning th

the Hong Kong-bound ship cou

be sent on to the colony if Manile

and if this really was the ship's fir

"If they are genuine refuge-

please for aid go unanswered.

Hong Kong could also be draw

SOUNDS LIKE A BOXEK. Now arrange the circled letters to form the surprise answer, as sug-

gested by the above cartoon.

A DOG THAT

Print answer here:

Jumbles: FLORA CROUP TIPTOE CORNER Answer: What an aggressive businessman stoutly pushed forward—HIS "CORPORATION"

### ssway Navigation Agency of New Queen Elizabeth cancels visit to

LONDON, Jan. 3 (R) — Britain's Queen Elizabeth has cancelled her planned visit to Iran next month on the advice of the Shah. Buckingham Palace announced

although one life raft may have

The tanker was registered in

Cyprus and owned by the Cro-

heen launched.

Survivors told rescuers that the Prince Philip, were due to visit the missing men had jumped off the southern Iran naval base of Bandar Abbas and the island of Horlosion near its stern. Some did not moz on Feb. 28 and March 1 as have life preservers. The Coast part of a three-week tour of the postpone her visit. Guard spokesman said the tan-Middle East.

The royal couple will be goin

ahead with the rest of the tour sta- Queen and Prince Philip would be rting on Feb. 12 with a direct flight to Kuwait. A statement from Buckingham

Palace said: "The Shah and Shahbanu of Iran have indicated their The Queen and her husband, regret that in the present circurnstances they would be unable for the Queen and the Prince to to entertain the Queen as they cancel their Iran visit in view of the would wish in Iran. They have worsening anti-Shah disorders. accordingly asked Her Majesty to Many of the 5,000 British military

mphasised how welcome the preparations to

at any time in Iran if and when circumstances permit. The Queen, of course, understands the reasons for this and has agreed," the statement added.

There had been calls in Britain advisers, oil workers and their "At the same time, they have families still in Iran are making

## mer Prime Minister Indira Gandhi

ear in court on Feb. 3 to answer a complaint that she gave a false address in a bid to register as a voter there.

The Press Trust of India (PTI) said the magistrate of Doddaballapur town in Karnataka state turned down her plea to exempt her from court appearances.

an electorate in the state before eged to have declared in a court affidavit last June that she was a resident of a Hindu religious rest house in the town. Election rules required that she should be a voter

as a voter was rejected by the local electoral registration officer after ing in the area.

The 61-year-old former premier was released from Delhi's Tihar jail last Tuesday after being imprisoned by Parliament for a week for breach of privilege and contempt of the Lower House in connection with an investigation into her son's business affairs. She was also expelled from Parliament and has announced her decision to run again.

conductors, which enable greater integration of printed circuits on much smaller surfaces.

Thanks to American technology. France's "components plan" -- in which Frs. 600m. (\$ 133m.) are to be invested in five years - can now get under way. but there is no guarantee that France can catch up with its overseas competitors.

A recent government report predicts that 15,000 of the 90,000 jobs in the French telephone industry will be lost in the conversion to electronic equipment. This forecast is on the basis of estimates prepared by the major companies in the industry -- ITT's subskliary, Compagnie Generale de Construction Telephoniques, and Thomson-C.S.F. Most vulnerable areas will be Paris, where 30,000 telephone workers are employed,

and the west and north of France. These predictions are in flagrant contradiction to the targets set in France's seventh five-year economic plan, which called for the creation of 50,000 new telephone jobs as its goal for 1981.

High productivity in the man-ufacture of new fully electronic time division switching systems and semi-automatic exchanges, as well as a five per cent reduction in the Post Office's telephone budget, are the explanation for the new pessimistic projection. It takes four times fewer workers to build a fully electronic exchange than an electro-mechanical one.

> FINANCIAL TIMES NEWS-FEATURES

#### coldest weather in years Europe people died in blizzards, conently making the most of spring-

thern Europe struggled to break the icy grip of winter yesterday as more deaths were reported from the continent's coldest weather in

At least 23 people have died in Britain, France and West Germany alone since the cold snap plunged much of Europe into a New Year deep freeze.

The latest victims included an eight-year-old French boy who fell through the ice into the flooded pit of a building site. a seven-vear-old British boy who died in a similar tragedy, and a 48-year-old vagabond found frozen to death early yesterday in a Paris park.

But in one of the worst-hit areas, north Germany, where five

ditions were reported to be easing. The border with Denmark was open again, and a convoy of 40 Danish lorries finally reached home after being stranded for three days at a West German road

on most roads of West Germany's Echlerwig-Holstein. Army hel-icopters flew in provisions and feroff since last weekend.

supplies to power stations.

The Yugoslavs, who were rec-

Private cars were allowed back northernmost state of ried out the sick from villages cut

Across the border to the east. authorities appealed to East German householders to cut down on gas electricity as snow and freezing temperatures paralysed fuel

like weather, suddenly had to contend with snow and freezing northerly winds which affected even the temperate Adriatic coast.

Switzerland's so-called "Little Siberia" region of La Brevine, in the Jura Mountains, recorded minus 20 Centigrade the night before as temperatures tumbled from just a few degrees below freezing.

The cold brought a welcome bonus of fresh snow for several Swiss resort areas, which had complained of difficulties due to warm weather before the New

Belgian skiers were out on the sand dunes near Ostend and Dutch skating enthusiasts relished the prospect that Holland's most

spectacular winter sports event -the 11 towns skating race -- would be held next week for the first time in 16 years. The big freeze again hit flights

in and out of the two main Paris airports, with airport staff working flat out to keep the runways open. Britain, like northern and central France, was blanketed by snow. In some areas the tem-

perature dropped to minus 13 Centigrade. Life was returning to normal in Sweden, where troops and police began digging out hundreds of cars abandoned in deep sno-

wdrifts. Finland, accustomed to the cold, reported a milder turn in the weather with traffic generally on the move as usual in the absence of heavy snow.

### Indian magistrate summons Mrs. Gandhi

to appear in court NEW DELHI, Jan. 3 (R) - For- in the state in order to contest a Her application for registration

was yesterday summoned by a magistrate in south India to app-

The former prime minister, who was returned to Parliament from being expelled last month, is all-

inquiries revealed she was not liv-If convicted, Mrs. Gandhi could

receive a one-year prison sentence and be disqualified from contesting elections for five years.

## 61 Scratch out 62 "- Town" 28 Barrister: Solution of yesterday's puzzle

29 Caretaker tournament 30 Cake parts 64 Author Leon 31 Like in of horses: 33. Long, long

THE Daily Crossword by Dorothea C. Shipp

time

form

resort

45 — gua non

comb. form

46 Robt. —

47 Calm

49 Height:

51 Container

of human

Withstand

41 Island

36 Geom. fig.

66 Maria or quality: Fr. Monica 32 To laugh: Fi 68 Catcher's 33 Doctors' group: abbr 34 Gas station 39 Holy: comb. 69 Move aimlessly abbr. 35 Perry's 70 Piqued Formal mail 71 Repercus 37 Steel city 38 106, in

sion 72 Ogles 73 Gentle Roma 40 Keatsian slopes 42 Uriah's DOWN 1 Quarrel family 43 Closes the 2 Linda Lavin

gap to 48 Essence 3 Gem surface 4 Before 50 Sid or 5 Vacation Irving 52 Urge 53 Desert

stopovers

56 Diagnostic

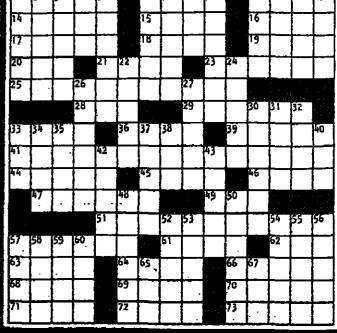
Bell sounds

Steep slope 7 Do an Eng-8 Swiss Canton 9 Souvenirs 11 Large bird:

57 European 58 Worthy of 12 Containers 13 Other 22 "Per ardua

note Adam's son 60 Division

65 Rogers or 24 Oblivion 26 Egg or Bunny 67 Blackbird



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By Jack Gee

PARIS: The French Government is to invest Frs. 2.25bn. (\$495m.). over the next five years in an ambitious programme to develop the use of computers in industry, office equipment, small business firms and data banks. The programme, which was

given the seal of approval by President Valery Giscard d'Estaing and his ministers recently, will involve massive training schemes and publicity to make the French aware of the potential of their computer industry. Although France has been producing computer specialists for 15

years now, this is the first serious attempt to give related technology a bigger place in the daily life of the ordinary French citizen than in the United States or Japan. The government programme sets out to introduce mini-

computers in secondary school

teaching and to give systematic basic instruction in the use of computers to university students. The programme will be master-minded by a new government agency which will be an off-shoot of the Ministry of Ind--ustry's Directorate of Electrical

A major slice of the funds ava-Honeywell Bull, which was for- 1978. med three years ago with 47 per cent of the capital American and: 53 per cent French in an effort to

## France invests in the future

processing industry. With access to only 20 per cent of the French market--and only one per cent of the entire world market -- C.I.I's survival depended on an alliance with U.S.controlled Honeywell Bull.

French Government subsidies to the firm are scheduled to end in 1980. The new programme means that C.I.I.-Honevwell Bull can now count on massive state orders for the coming decade. The government says it will give

priority to introducing computers in industries where they will help to boost productivity, such as motor cars, machine tools, printing, banks and insurance.

Mr. Giscard has told his ministers that although employment in the computer industry will get a shot in the arm from this new programme, the overall result for the economy will be fewer jobs.

But, ambitious though it is, Mr. Giscard's programme falls short of the targets set by Simon Nora and and Electronic Industries Alain Minc, two senior technocrats who produced a series of long-term objectives for the ilable is expected to go to C.I.I .- French computer industry early in

The Nora-Mine report, which was drafted at the government's bidding, called for wide-ranging provide France with its own data structural changes which involved

France is to invest massively in an attempt to catch up with the Americans and the Japanese in computer and electronic technology--even though success may mean fewer jobs in French -industry.

splitting French tel-ecommunications from the Post Office, the creation of a Ministry of Communications responsible for computers, satellites, telephones and networks, and also sweeping administrative reforms. None of these proposals figure in

the Giscard computer plan. Although up-to-date figures are not available, France now possesses well over 50,000 computers and is adding new ones at the rate of about 15 per cent each year. Office computers are increasing at a rate of about 13.5 per cent and other types at 20 per cent.

Puny compared with IBM.

C.I.I.-Honeywell Bull has lau-

nched a big drive to boost exports.

When the U.S. Government rec-

ently banned the sale of an Ame-

rican Univac computer to the Sov-

iet Tass news agency for the 1980

The French electronics industry

ntaining the rate of growth aching the first half of 1978, sales in rose by 27 per cent and stereo units by 30 per cent.

electronics industry in 1978 was the completion of a programme which the government hopes will enable it to cooperate with the Americans as full-fledged par-

Moscow Olympic Games, the Franco-American firm immediately offered its own equ-.

expects its turnover to increase by 15 per cent for 1978, thereby maiieved over the past few years. Dur-France of colour television sets

A major event for the French

The General Election in March delayed negotiations aimed at enabling France to catch up with the other major industrial countries in mass production of semi-conductors. At present the U.S. controls 70 per cent and Japan 20 per cent of

this market which provides the key elements of electronic watches, pocket calculators, and terminals. Tomorrow these semiconductors will find their way into telephone exchanges, household equipment and motor cars. In 1978, France began making

up for lost time. The government signed agreements with Thomson-C.S.F. and R.T.C., the French subsidiary of Philips, which will guarantee each firm Frs. 20m. (\$5m.) for five years. This will enable Thomson to boost exports of linear circuits and R.T.C. to push ahead with logical bipolar development for use principally in telecommunications and informatics.

These agreements were completed by an agreement signed by Motorola, the second biggest U.S. manufacturer of electronic components, with the Societe pour l'Etude et la Fabrication de Circuits Integres Speciaux (EFCIS), a joint subsidiary of the French Atomic Energy Commission (CEA) and Thomson.

This agreement will give the French access to the American licence for metal oxide semi-

ولمازًا صدرالأصل